

### **DESCRIPTION**

VL 20/20™ is a ready to use concrete admixture that has an organic chemical reaction with components of the cement and utilizes the water of convenience to eliminate the route of moisture vapor emission. This reaction is a permanent and integral component of the finished concrete.

### **BASIC USES**

VL 20/20™ is designed to be added to any cementitious material where vapor and water proofing is desirable. This allows for the application of moisture sensitive coatings and adhesives in the normal construction schedule.

### **MAJOR ADVANTAGES OF VL 20/20™**

- ~Vapor proofs concrete (0.03US Perms ASTM E 96)
- ~Water proofs concrete (1x10<sup>-9</sup> cm/s permeability ASTM D 5084)
- ~Allows easy installation of no VOC (water-based) adhesives & coatings
- ~No additional moisture controls required
- ~Increases concrete density and hardness
- ~Increased abrasion resistance
- ~Effective in reducing:
  - Efflorescence
  - Freeze-thaw spalling
  - Delamination
  - Spider cracking
  - Slab curl

### **TECHNICAL AND PRODUCT DATA**

- ~Appearance: Golden
- ~Odor: None
- ~Toxicity: None
- ~Flammability: None
- ~Ph: Neutral
- ~Shelf Life: Indefinite
- ~Weight: 60 lbs
- ~Freeze Temp: 32 F°/ 0 C°
- ~Storage Temp: 35 F°/ 1.7 C°
- ~Do Not Allow to Freezer prior to use  
Consult Manufacturer for low-temperature applications

## **TECHNICAL AND PRODUCT DATA (continued)**

- ~Solvent: None. Water base
- ~Acid Resistance: Excellent
- ~Hazardous Vapors: None
- ~Capillary Break: Integral C-S-H
- ~Installation: All cementitious materials
- ~Number of Components: 1
- ~Packaging: 275 US Gallon Totes, 55 Gallon Drums, 5 Gallon Pails

## **APPLICATION INSTRUCTIONS**

Cast-in Place Concrete-VL 20/20™ is dosed at 10 ounces per 100 weight of cementitious materials and should be added with the head water or at the tail end of the load. This dose needs to be accurate to minus 0% plus 3%. VL 20/20™ must be administered by a concrete batch plant or professional that is certified by SPG to work with this material and is aware of and follows all the protocols established by SPG.

## **SPECIAL HANDLING**

Discard any frozen or separated, visually observable, product.

## **SAFETY**

Please refer to SDS at [www.spggogreen.com](http://www.spggogreen.com) or contact SPG.

## **WARRANTY DISCLAIMER**

Properly dosed and finished VL 20/20™ will provide concrete that is impermeable to  $1 \times 10^{-8}$  per ASTM D-5084 and 0.03 US Perms per ASTM E 96 a rate of moisture vapor emission at which water-based adhesives & coatings will not fail due to vapor emission.